

JUN 14 2007

Claim Amendments:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)
2. (Previously Presented) The article of claim 41, wherein the ceramic article comprises a component of a semiconductor processing apparatus.
3. (Original) The article of claim 2, wherein the component is a chamber wall.
4. (Original) The article of claim 3, wherein the component is a chamber lid.
5. (Original) The article of claim 3, wherein the component is a chamber sidewall.
6. (Canceled)
7. (Previously Presented) The article of claim 41, wherein the corrosion resistant layer has an adhesion strength of not less than 25 MPa.
8. (Previously Presented) The article of claim 41, wherein the corrosion resistant layer has an adhesion strength of not less than 30 MPa.
9. (Previously Presented) The article of claim 41, wherein the corrosion resistant layer is deposited on the ceramic base material by thermal spraying.
10. (Canceled)
11. (Previously Presented) The article of claim 41, wherein the corrosion resistant coating has an average grain size not greater than about 0.5 microns.

12. (Previously Presented) The article of claim 41, wherein the substrate consists essentially of α -alumina.

13. (Canceled)

14. (Previously Presented) The article of claim 11, wherein the average grain size is not greater than about 0.3 microns.

Claims 15-40 (Canceled)

41. (Currently Amended) A ceramic article, comprising:
a substrate consisting essentially of alumina; and
a corrosion-resistant coating provided on the substrate and comprising at least 80 wt.% of ~~a rare earth oxide~~ yttria, the corrosion-resistant coating directly contacting the substrate such that the ceramic article is free of intervening layers, including thermally reacted interlayers, between the substrate and the corrosion-resistant coating, the corrosion-resistant coating having an adhesion strength not less than 20 MPa.

42. (Currently Amended) The ceramic article of claim 41, wherein the corrosion-resistant coating comprises at least 90 wt.% of ~~a rare earth oxide~~ yttria.

43. (Currently Amended) The ceramic article of claim 42, wherein the corrosion-resistant coating comprises at least 95 wt.% of ~~a rare earth oxide~~ yttria.